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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Spencer A. Rathus, et al.

Serial No.: TO BE ASSIGNED

Group Art Unit: TBA

Filed: January 25, 2001

Examiner: TBA

For: METHOD AND APPARATUS FOR  
ACCESSING ELECTRONIC DATA  
VIA A FAMILIAR PRINTED MEDIUM

Atty. Doc. No.: 660-018

Honorable Commissioner of Patents and Trademarks  
Washington, D.C. 20231

SUPPLEMENTAL PRELIMINARY AMENDMENT

Prior to substantive review of the subject application,  
please amend as follows:

IN THE CLAIMS

Please cancel claims 1-167. Please add the following new  
claims:

168. A system for displaying programming to a user, the system

comprising:

a printed catalog having at least one machine

recognizable feature;

a feature recognition unit having associated therewith

a means for recognizing said feature and a means

for transmitting a coded signal in response to the

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

recognition of said feature;

an intelligent controller having associated therewith a  
means for accessing said programming material in  
response to receiving said coded signal; and  
a display unit for presenting said programming  
material.

169. A system as defined in claim 168 wherein said at least one  
machine recognizable feature has associated therewith a data  
link which is recognized by said recognition unit.

170. A system as defined in claim 169 wherein said data link  
comprises an image data link.

171. A system as defined in claim 169 wherein said data link  
comprises a video data link.

172. A system as defined in claim 169 wherein said data link  
comprises a programming data link.

173. A system as defined in claim 169 wherein said data link

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

comprises a sound data link.

174. A system as defined in claim 169 wherein said data link comprises an online data link.

175. A system as defined in claim 169 wherein said data link comprises a online shopping data link.

176. A system as defined in claim 169 wherein said data link comprises a pictorial data link.

177. A system as defined in claim 169 wherein said data link comprises an electronic data link.

178. A system as defined in claim 169 wherein said data link comprises an electronic media link.

179. A system as defined in claim 169 wherein said data link comprises an "information superhighway" data link.

180. A system as defined in claim 179 wherein said "information

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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

superhighway" data link comprises the internet.

181. A system as defined in claim 179 wherein said "information superhighway" data link comprises the world wide web.

182. A system as defined in claim 179 wherein said "information superhighway" data link comprises a computer network.

183. A system as defined in claim 179 wherein said "information superhighway" data link comprises an ISDN network.

184. A system as defined in claim 179 wherein said "information superhighway" data link comprises a telephone line.

185. A system as defined in claim 179 wherein said "information superhighway" data link comprises a CATV line.

186. A system as defined in claim 179 wherein said "information superhighway" data link comprises a local area network.

187. A system as defined in claim 179 wherein said "information

**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

superhighway" data link comprises a wide area network.

188. A system as defined in claim 179 wherein said "information superhighway" data link comprises a data communications network.

189. A system as defined in claim 179 wherein said "information superhighway" data link comprises an Internet Product Service Directory.

190. A system as defined in claim 179 wherein said "information superhighway" data link comprises a globally based digital communications network.

191. A system as defined in claim 179 wherein said "information superhighway" data link comprises a wireless network link.

192. A system as defined in claim 179 wherein said "information superhighway" data link comprises a Wireless Application Protocol internet.

**PATENT**  
**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

193. A system as defined in claim 179 wherein said "information superhighway" data link comprises an ethernet network.

194. A system as defined in claim 179 wherein said "information superhighway" data link comprises a RF cellular network.

195. A system as defined in claim 179 wherein said at least one machine recognizable feature comprises a bar code.

196. A system as defined in claim 195 wherein said bar code comprises a Universal Product Code.

197. A system as defined in claim 195 wherein said at least one machine recognizable feature comprises an invisible bar code.

198. A system as defined in claim 168 wherein said at least one machine recognizable feature comprises a magnetic code.

199. A system as defined in claim 168 wherein said at least one machine recognizable feature comprises a printed character.

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

200. A system as defined in claim 168 wherein said at least one machine recognizable feature comprises a symbol.

201. A system as defined in claim 168 wherein said at least one machine recognizable feature comprises a pictorial icon.

202. A system as defined in claim 168 wherein said at least one machine recognizable feature comprises an invisible indicia.

203. A system as defined in claim 168 wherein said at least one machine recognizable feature comprises a two-dimensional figure.

204. A system as defined in claim 168 wherein said at least one machine recognizable feature comprises an icon.

205. A system as defined in claim 168 wherein said at least one machine recognizable feature comprises an invisible icon.

206. A system as defined in claim 168 wherein said at least one machine recognizable feature comprises a watermark.

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

207. A system as defined in claim 168 wherein said at least one machine recognizable feature comprises an invisible watermark.

208. A system as defined in claim 207 wherein said invisible watermark comprises a digital watermark.

209. A system as defined in claim 168 wherein said at least one machine recognizable feature comprises a series of alphanumeric characters.

210. A system as defined in claim 168 wherein said at least one machine recognizable feature comprises a binary code.

211. A system as defined in claim 168 wherein said at least one machine recognizable feature comprises a digital watermark.

212. A system as defined in claim 168 wherein said at least one machine recognizable feature comprises a magnetic strip.

213. A system as defined in claim 168 wherein said at least one



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

machine recognizable feature comprises a code.

214. A system as defined in claim 168 wherein said at least one machine recognizable feature comprises an on line shopping product code.

215. A system as defined in claim 168 wherein said at least one machine recognizable feature comprises a home shopping product code.

216. A system as defined in claim 168 wherein said at least one machine recognizable feature comprises an online shopping service code.

217. A system as defined in claim 168 wherein said at least one machine recognizable feature comprises a home shopping service code.

218. A system as defined in claim 168 wherein said at least one machine recognizable feature comprises an analog pattern.

**PATENT**  
**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

219. A system as defined in claim 168 wherein said at least one machine recognizable feature comprises a hieroglyphic character.

220. A system as defined in claim 168 wherein said programming material comprises information.

221. A system as defined in claim 220 wherein said information comprises product information.

222. A system as defined in claim 220 wherein said information comprises retailer information.

223. A system as defined in claim 220 wherein said information comprises shipping information.

224. A system as defined in claim 220 wherein said information comprises return information.

225. A system as defined in claim 220 wherein said information comprises payment information.

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

226. A system as defined in claim 168 wherein said programming material comprises a service.

227. A system as defined in claim 226 wherein said service includes displaying promotional programming on said display unit of a user.

228. A system as defined in claim 226 wherein said service includes displaying a Web page related to an organization referenced in said catalog.

229. A system as defined in claim 226 wherein said service includes conducting an interaction with a plurality of individuals associated with said catalog via a telephone.

230. A system as defined in claim 226 wherein said service includes conducting an interaction with a plurality of individuals associated with said catalog via an online communication chat link.

231. A system as defined in claim 168 wherein said display unit

Variable	Mean	SD	Min	Max	Skewness	Kurtosis	Normality
Age	35.5	10.5	20	65	-0.1	3.0	0.98
Gender	1.5	0.5	1	2	0.0	3.0	0.98
Marital Status	1.5	0.5	1	2	0.0	3.0	0.98
Education	12.5	2.5	9	16	-0.2	3.0	0.98
Income	15.5	5.5	10	25	-0.1	3.0	0.98
Occupation	1.5	0.5	1	2	0.0	3.0	0.98
Religion	1.5	0.5	1	2	0.0	3.0	0.98
Health	1.5	0.5	1	2	0.0	3.0	0.98
Stress	1.5	0.5	1	2	0.0	3.0	0.98
Depression	1.5	0.5	1	2	0.0	3.0	0.98
Life Satisfaction	1.5	0.5	1	2	0.0	3.0	0.98
Resilience	1.5	0.5	1	2	0.0	3.0	0.98
Self-Esteem	1.5	0.5	1	2	0.0	3.0	0.98
Optimism	1.5	0.5	1	2	0.0	3.0	0.98
Gratitude	1.5	0.5	1	2	0.0	3.0	0.98
Forgiveness	1.5	0.5	1	2	0.0	3.0	0.98
Empathy	1.5	0.5	1	2	0.0	3.0	0.98
Compassion	1.5	0.5	1	2	0.0	3.0	0.98
Kindness	1.5	0.5	1	2	0.0	3.0	0.98
Generosity	1.5	0.5	1	2	0.0	3.0	0.98
Patience	1.5	0.5	1	2	0.0	3.0	0.98
Humility	1.5	0.5	1	2	0.0	3.0	0.98
Modesty	1.5	0.5	1	2	0.0	3.0	0.98
Shyness	1.5	0.5	1	2	0.0	3.0	0.98
Introversion	1.5	0.5	1	2	0.0	3.0	0.98
Extroversion	1.5	0.5	1	2	0.0	3.0	0.98
Sensitivity	1.5	0.5	1	2	0.0	3.0	0.98
Emotionality	1.5	0.5	1	2	0.0	3.0	0.98
Neuroticism	1.5	0.5	1	2	0.0	3.0	0.98
Conscientiousness	1.5	0.5	1	2	0.0	3.0	0.98
Agreeableness	1.5	0.5	1	2	0.0	3.0	0.98
Openness	1.5	0.5	1	2	0.0	3.0	0.98
Stability	1.5	0.5	1	2	0.0	3.0	0.98
Control	1.5	0.5	1	2	0.0	3.0	0.98
Autonomy	1.5	0.5	1	2	0.0	3.0	0.98
Privacy	1.5	0.5	1	2	0.0	3.0	0.98
Security	1.5	0.5	1	2	0.0	3.0	0.98
Stability	1.5	0.5	1	2	0.0	3.0	0.98
Control	1.5	0.5	1	2	0.0	3.0	0.98
Autonomy	1.5	0.5	1	2	0.0	3.0	0.98
Privacy	1.5	0.5	1	2	0.0	3.0	0.98
Security	1.5	0.5	1	2	0.0	3.0	0.98
Stability	1.5	0.5	1	2	0.0	3.0	0.98
Control	1.5	0.5	1	2	0.0	3.0	0.98
Autonomy	1.5	0.5	1	2	0.0	3.0	0.98
Privacy	1.5	0.5	1	2	0.0	3.0	0.98
Security	1.5	0.5	1	2	0.0	3.0	0.98
Stability	1.5	0.5	1	2	0.0	3.0	0.98
Control	1.5	0.5	1	2	0.0	3.0	0.98
Autonomy	1.5	0.5	1	2	0.0	3.0	0.98
Privacy	1.5	0.5	1	2	0.0	3.0	0.98
Security	1.5	0.5	1	2	0.0	3.0	0.98
Stability	1.5	0.5	1	2	0.0	3.0	0.98
Control	1.5	0.5	1</				

232. A system as defined in claim 231 wherein said personal computer comprises a laptop computer.

234. A system as defined in claim 168 wherein said display unit comprises a device containing a microprocessor.

236. A system as defined in claim 234 wherein said device  
containing a microprocessor is portable.

238. A system as defined in claim 168 wherein said display unit

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

comprises an internet appliance.

239. A system as defined in claim 168 wherein said display unit comprises a cellular telephone.

240. A system as defined in claim 168 wherein said display unit comprises a wireless communication device.

241. A system as defined in claim 168 wherein said display unit comprises a simulated book.

242. A system as defined in claim 168 wherein said display unit comprises an intelligent terminal.

243. A system as defined in claim 168 wherein said display unit comprises a web-based television.

244. A system as defined in claim 168 wherein said display unit comprises a pager.

245. A system as defined in claim 168 wherein said display unit

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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

comprises an Internet-enabled telephone.

246. A system as defined in claim 168 wherein said recognition unit is selected from a group consisting of a hand-held unit, a scanner, a bar code scanner, an optical code reader, an optical reader, a personal camera, a personal computer reader, a digital camera, a digital mouse and an optical mouse.

247. A system as defined in claim 246 wherein said recognition unit is linked to a personal computer.

248. A system as defined in claim 246 wherein said recognition unit is linked to a wireless interface.

249. A system as defined in claim 248 wherein said wireless interface comprises a wireless network.

250. A system as defined in claim 249 wherein said wireless network comprises a cellular network.

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

251. A system as defined in claim 248 wherein said wireless interface comprises a cellular telephone.

252. A system as defined in claim 248 wherein said wireless interface comprises a pager.

253. A system as defined in claim 248 wherein said wireless interface comprises a wireless personal computer.

254. A system as defined in claim 248 wherein said wireless interface comprises a personal digital assistant.

255. A system as defined in claim 246 wherein said recognition unit is linked to a personal digital assistant.

256. A system as defined in claim 246 wherein said recognition unit is linked to an Internet appliance.

257. A system as defined in claim 246 wherein said recognition unit is linked to a television set.

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

258. A system as defined in claim 246 wherein said recognition unit comprises a portion of a cellular telephone.

259. A system as defined in claim 246 wherein said recognition unit comprises a portion of a personal digital assistant.

260. A system as defined in claim 246 wherein said recognition unit comprises a portion of a remote control unit.

261. A system as defined in claim 246 wherein said recognition unit comprises a portion of a handwriting implement.

262. A method of providing a user access to programming material, comprising the steps of:

imprinting a machine recognizable feature within a printed catalog;

scanning said machine recognizable feature of said printed catalog; and

transmitting data associated with said machine recognizable feature via a communication link to access said programming material, wherein said programming material is



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

related to said printed catalog.

263. The method of claim 262 wherein said communication link includes the Internet.

264. The method of claim 262 wherein said machine recognizable feature is selected from a group consisting of bar code, universal product code, invisible bar code, magnetic code, printed character, symbol, icon, invisible indicia, two-dimensional figure, icon, invisible icon, watermark, invisible watermark, digital watermark, series of alphanumeric characters, binary code, digital watermark, magnetic strip, code, analog pattern, and hieroglyphic character.

265. A method of providing a user access to supplemental programming material associated with a printed catalog, comprising the steps of:

imprinting a machine recognizable feature within said printed catalog wherein said machine recognizable feature has associated therewith a command sequence for accessing

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

programming material;

scanning said machine recognizable feature within said printed catalog and downloading data indicative of said machine recognizable feature via the Internet to a remote server;

accessing programming material from said remote server;  
and

transmitting said programming material to said user allowing said user to perceive said programming material in a humanly perceivable form, wherein said programming material is related to said printed catalog.

266. The method of claim 265 wherein said programming material comprises multimedia.

267. The method of claim 265 wherein said machine recognizable feature is selected from a group consisting of a bar code, a universal product code, invisible bar code, magnetic code, printed character, symbol, icon, invisible indicia, two-dimensional figure, icon, invisible icon, watermark, invisible watermark, digital watermark, series of

alphanumeric characters, binary code, digital watermark, magnetic strip, code, analog pattern, and hieroglyphic character.

Variable	Mean	SD	Min	Max	Median	Q1	Q3	Mode	Skewness	Kurtosis	Normality
Age	35.2	12.5	20	65	32	28	38	35	0.15	2.10	0.95
Gender	0.55	0.50	0	1	0	0	1	0	-0.05	0.50	0.98
Marital Status	0.70	0.46	0	1	0	0	1	0	-0.10	0.50	0.97
Education	12.5	2.5	8	16	12	11	13	12	0.20	2.50	0.90
Income	1500	500	500	3000	1200	800	1800	1000	0.30	3.00	0.85
Occupation	1.5	1.0	1	3	1	1	2	1	-0.10	0.50	0.98
Health Status	0.80	0.40	0	1	0	0	1	0	-0.05	0.50	0.98
Stress Level	2.5	1.5	1	5	2	1	4	1	0.40	2.00	0.80
Life Satisfaction	4.0	1.0	1	5	4	3	5	4	-0.10	0.50	0.97
Resilience	3.5	1.2	1	5	3	2	4	3	0.10	1.50	0.92
Optimism	4.5	1.0	1	5	4	3	5	4	-0.05	0.50	0.98
Gratitude	4.0	1.0	1	5	4	3	5	4	-0.05	0.50	0.98
Self-Compassion	3.0	1.0	1	5	3	2	4	3	0.10	1.50	0.92
Emotional Regulation	3.5	1.0	1	5	3	2	4	3	0.10	1.50	0.92
Psychological Well-being	4.0	1.0	1	5	4	3	5	4	-0.05	0.50	0.98
Life Satisfaction (Control)	4.0	1.0	1	5	4	3	5	4	-0.05	0.50	0.98
Resilience (Control)	3.5	1.2	1	5	3	2	4	3	0.10	1.50	0.92
Optimism (Control)	4.5	1.0	1	5	4	3	5	4	-0.05	0.50	0.98
Gratitude (Control)	4.0	1.0	1	5	4	3	5	4	-0.05	0.50	0.98
Self-Compassion (Control)	3.0	1.0	1	5	3	2	4	3	0.10	1.50	0.92
Emotional Regulation (Control)	3.5	1.0	1	5	3	2	4	3	0.10	1.50	0.92
Psychological Well-being (Control)	4.0	1.0	1	5	4	3	5	4	-0.05	0.50	0.98

PATENT


IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

REMARKS

Applicant respectfully submits that claims 168-267 represent a patentable contribution to the art and the application is believed to be in good condition for allowance. Early and favorable action is respectfully requested.

Date: January 25, 2001

Respectfully submitted,



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